

Amendments to the Claims

Following is a complete listing of the claims currently pending in the application. This listing of claims replaces all prior versions, and listings, of claims in the application:

Claims 1-16 (canceled)

17. (currently amended) An expandable device for delivery into a blood vessel carrying blood comprising
an expandable support frame having first and second end portions,
a porous polymer sleeve having inner and outer surfaces, and
a coating having a first layer that provides free amine groups, a second linker layer, and of a third cell adhesion peptide layer, wherein the linker layer is positioned between and covalently bonded to each of the first and second layers, said coating carried on and attached to at least one of the inner and outer surfaces of the polymer sleeve for enhancing endothelial cell growth on the polymer sleeve.

18. (currently amended) The device of claim 17, wherein said coating is prepared by treating said inner or outer surface with a gaseous plasma cleaning process utilizing radiofrequency energy to ablate said inner or outer surface and to functionalize said inner or outer surface and to produce a plasma-deposited layer having functional groups, and

subjecting said plasma-deposited layer to multifunctional linkers/spacers in a wet chemical treatment to form covalent bonds between the linkers/spacers and the functional groups of the plasma-deposited layer to covalently bind the cell-adhesion peptides to said inner or outer surface of the substrate.

19. (previously presented) The device of claim 17, wherein said cell-adhesion peptide has the amino acid sequence presented as SEQ ID NO: 1.